



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: H-014

Product Name: **2'-HYDROXYCHALCONE**

CAS Number: [1214-47-4]

Lot Number: 98132

Chemical Formula: C₁₅H₁₂O₂

Molecular Weight: 224.26

Melting Point: 87-90°C

Appearance: Yellow powder

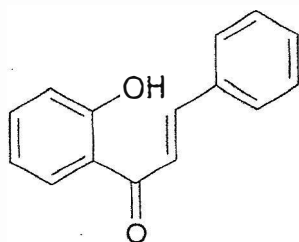
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.47%





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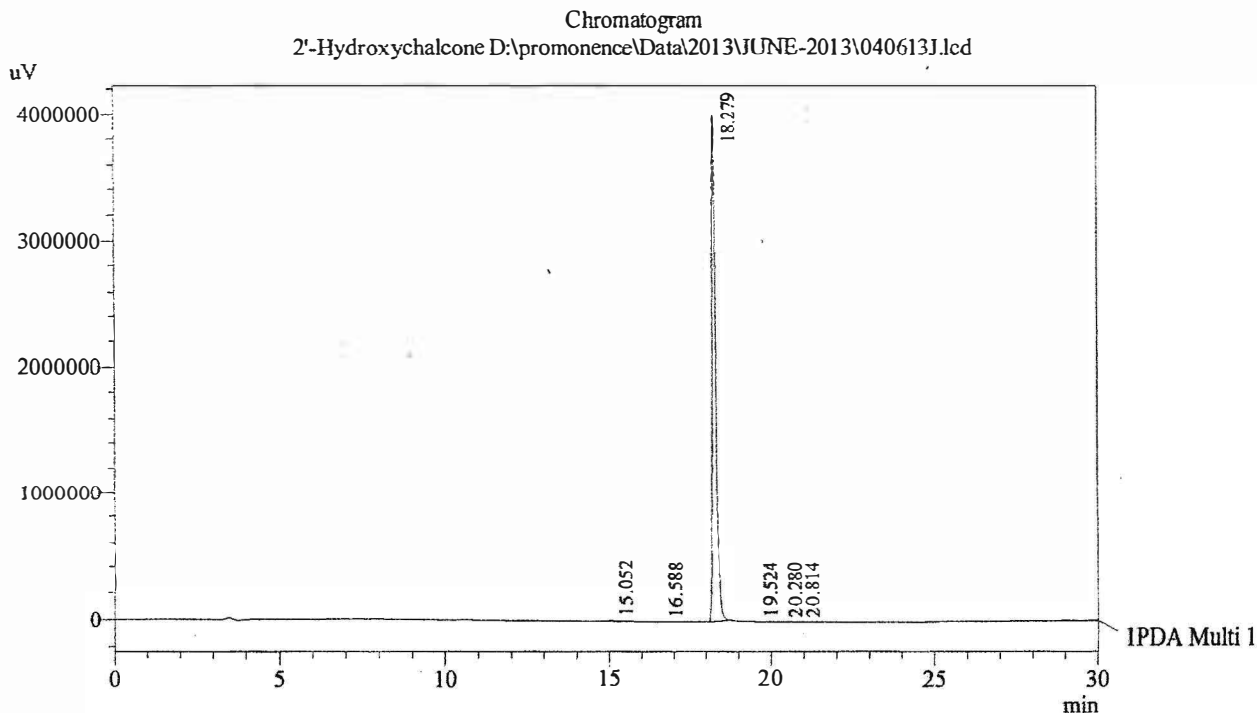
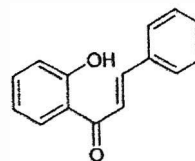
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2'-Hydroxychalcone
Sample ID : Lot No:98132
Injection Volume : 20 uL
Data Filename : 040613J.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-014
Product name: 2'-Hydroxychalcone
Lot No.: 98132

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Acetonitrile



1 IPDA Multi 1 / 230nm 4nm

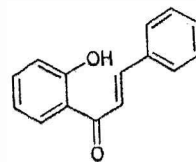
PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.052	15.052	133852	0.43	0.82
2	RT:16.588	16.588	13179	0.04	0.91
3	2'-Hydroxychalcone	18.279	31254996	99.47	1.00
4	RT:19.524	19.524	7512	0.02	1.07
5	RT:20.280	20.280	4547	0.01	1.11
6	RT:20.814	20.814	7566	0.02	1.14
Total			31421652	100.00	



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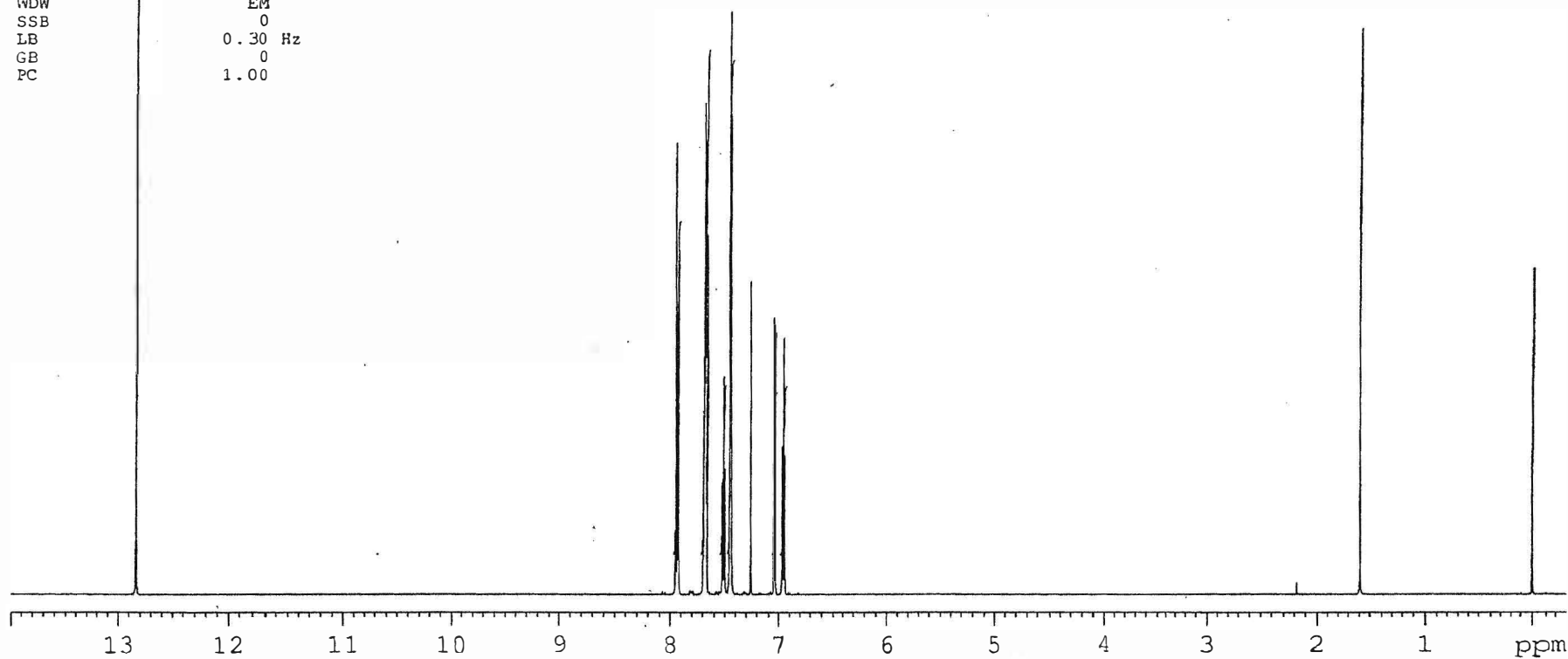


Catalog No.: H-014
Product name: 2'-Hydroxychalcone
Lot No.: 98132

SOLVENT CDCl3
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300151 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

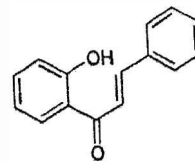


1.000

2.103
3.195
1.061
3.129
1.016
1.050



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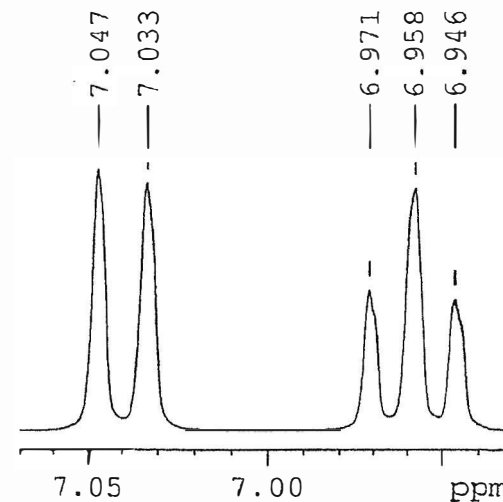
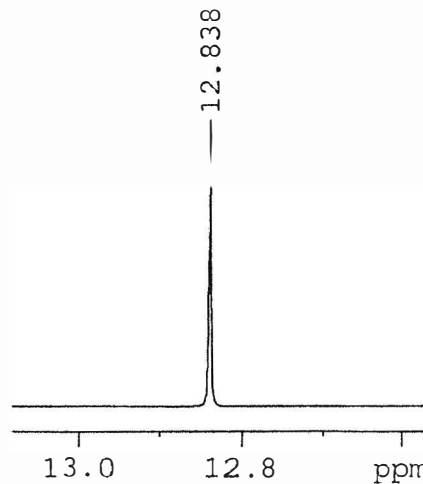


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1H IN CDCL3
 AVANCE-600

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 4.768
 SF 600.3300151 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



— 7.947
 — 7.933
 — 7.921

7.689
 7.682
 7.676
 7.671
 7.663

7.525
 7.523
 7.511
 7.500
 7.497

7.454
 7.448
 7.443

